

standing Waters. In a small breeding Pond nigh my House, where I had formerly plenty of small Carp and Tench every Year, and of late scarce any young Breed to be met with, my Gardener not long ago observed one of the *Squilla*, with a Carp in its Mouth almost as large as itself; and has since observed these Insects hunting amongst the Weeds, and vigorously pursuing the small Fry. I order'd the Gardener to catch some of these Insects, and bring them home alive, with some of the smallest Fish he could meet with. We put them together in a large Bason of Water. The Insects were so rapacious, that they fell upon the Fish immediately, and destroy'd several in my Sight; and before Morning had devoured all that were in the Bason.

North-Eierley,
Sept. 5, 1733.

RICHARD RICHARDSON.

III. *Schema Eclipsæ Solaris paulo ante solis occasum observatæ, Vitembergæ Saxonum Die 11^{do} Maii Stil. veter. A. Chr. CIO IO CC XXXIII. A Joh. Frider. Weidlero LL. D. Mathem. Superior. Prof. Ordin. R. S. S.*

Phases crescentis Eclipsæ.

		H.	M.	S.	
Initium,	2 Maii. St. V.	6	36	5	Post Mer.
1	Digitus		39	50	
2	Digiti		45	5	
					Digit.

Digit.	H.	M.	S.
3	6	48	50 Post Mer.
4		52	50
5		58	5
6	7	2.	50
7		7	50
8		10	50
9		15	50
10		19	50
11		29	20

Sol fubit nubes tenues

Phases decrefcentis Eclipses.

10 Digit.	7	35	50
9		40	50
8		44	50
Sol occidit		46	5

A N N O T A T A.

1. Circulus in Tabulâ annexâ delineatus refert imaginem solis, ea magnitudine, qua in helioscopii fundo fuit depicta.

2. Lumen solis, prope lunæ orbem, quod nunquam non in aliis Eclipsibus solaribus tam prope horizontem, quam sub majore altitudine visis vehementi motu & undulatione gaudere animadverti, in hoc deliquio quietum prorsus & tranquillum fuit.

3. Orbis lunæ, in primis quoad partem occidentalem, in phasibus paulo ante Solis occasum notatis, asperitatem manifestam, omnibus hujus phænomeni spectatōribus, prodidit; erant tamen intervalla, quibus ju-

ga montium lunarium distinguebantur, nec lata admodum nec profunda. Adhibita scala subtiliter divisa, æstimavi profunditatem unius vallis $\frac{1}{200}$ five partem ducentessimam diametri lunæ.

4. Ultimæ phasæ decrescientes per tenues nubes visæ fuerunt, neque tamen ultra undecim disci solis uncias nobis luna occultavit.

5. Centri solis occasus pro horizonte Vitembergenfi calculo tum fuerat repertus, $7^h. 39^m. 49^s$. adeoque refractione radiorum in nubibus horizontis prope modum sex minutis fuit retardatus.

IV. *An Abstract of the Meteorological Diaries, communicated to the Royal Society; with Remarks upon them.* By W. Derham, D. D. Canon of Windsor, F. R. S. [PART II. Vide *Transact.* N° 429.]

PART III. *Containing Meteorological Observations made at*

Berlin	} 1726.	
Sweden		Lunden
		Bettua
		Upsale
		Bygdea
	Pithea	

AN Abstract of *Meteorological Observations* made in the Year 1726, at *Berlin*, by the Society there, and communicated by *Joh. Theod. Fablonski*; and in *Sweden*, at *Lunden*, by *Conrad Quensel*, Mathematick Professor in the *Caroline Academy*;